Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) Apparatus for mixing explosive materials, comprising:

a first reservoir [[of]] containing a pre-mix comprising an explosive material in flowable form;

a second reservoir of hardener material which, when combined with said pre-mix, causes it to solidify;

a static mixer;

separate piping associated with each of said reservoirs for conveying said pre-mix ~~explosive material~~ and said hardener material, respectively, to the static mixer for mixing; and

a hydraulic cylinder and ram assembly coupled to apply controlled pressure to the pre-mix ~~explosive material~~ within said first reservoir, for controlling a flow of said pre-mix ~~explosive material~~ towards said static mixer.

Claim 2. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 1, wherein said materials are combined substantially at an inlet of said static mixer.

Claim 3. (Currently Amended) Apparatus for mixing explosive materials in accordance with claim 1, wherein an outlet of said static mixer is connected to piping for filling ordnance with a combined final [[mixed]] explosive material comprising a mixture of said pre-mix and said hardener material.

Claim 4. (Currently Amended) Apparatus for mixing explosive materials in accordance with claim [[1]] 3 wherein the piping for filling ordnance with combined final explosive material is controlled such that the respective pre-mix ~~explosive material~~ and hardener materials are introduced to the static mixer on demand, the demand being controlled by an automated ordnance fill level controller.

Claim 5. (Previously Presented) Apparatus for mixing explosive materials in accordance with claim 4 wherein said automated ordnance fill level controller comprises at least one fiber optic sensor.

Claims 6-9. (Cancelled)

Claim 10. (Currently Amended): Apparatus for mixing explosive materials in accordance with claim 1, wherein said ~~the pre-mix~~ explosive material comprises PBX.

Claim 11. (Currently Amended) The apparatus according to claim 1, further comprising:

a flow meter for measuring a flow of hydraulic fluid in said hydraulic cylinder and ram assembly for determining said flow of said pre-mix ~~explosive material~~.

Claim 12. (Currently Amended) A method for mixing explosive materials comprising:

holding ~~pre-mix explosive material~~ in a first reservoir a pre-mix comprising an explosive material in flowable form;

holding ~~hardener material~~ in a second reservoir a hardener material which when combined with said pre-mix, causes it to solidify;

conveying said pre-mix ~~explosive material~~ and said hardener material to a static mixer via separate pipes; and

controlling a flow of pre-mix ~~explosive~~ towards said static mixer by using a hydraulic cylinder and ram assembly to apply controlled pressure to the pre-mix ~~explosive material~~ within said first reservoir.

Claim 13. (New) The apparatus according to claim 1, further comprising:

a level controller for sensing whether ordnance requires filling, and for generating a corresponding signal; and

a fill to level controller for initiating the flow of said pre-mix in response to said signal.

Claim 14. (New) The method according to claim 12, further comprising:

sensing whether ordnance requires filling, and sending a signal indicative thereof; and

initiating the flow of pre-mix explosive material in response to said signal.